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Department of Master of Computer Applications

20MCA 36 - Minor Project – Phase 1

Resources Website for RVCE

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Agenda

- Introduction
- Literature Survey
- Objectives of the Project Work
- Proposed Methodology
- Hardware & Software Requirements

Introduction

Every website needs to maintain Databases of the students and data related to the subjects and textbooks, Journal's for sufficient use of student, In rvce college website few of the resources(question paper, IEEE Journals) data can't be accessed outside of the college premises, and only can be accessed with the college Wi-Fi connectivity, which can be only done in college premises.

Working specifically on the previous year resources which can be helpful for the rvce mca students who are residing outside of college premises. Admin provide access to rvce mca students based on the mail-id provided by mca department.

- **Problem Statement**

Students who stay outside the college premises, face issues while accessing previous year question papers, IEEE journals, study material.

Scope of the project

The project will build a website which allows mca students to access previous year question papers, IEEE journals and study material.

Expected Outcome

A web application which will be deployed where the mca students can check the previous year question papers and other resources.

Project Objectives

- Collecting the Resources
- Creation of web application
- Providing the resources to the web application.

Literature Survey

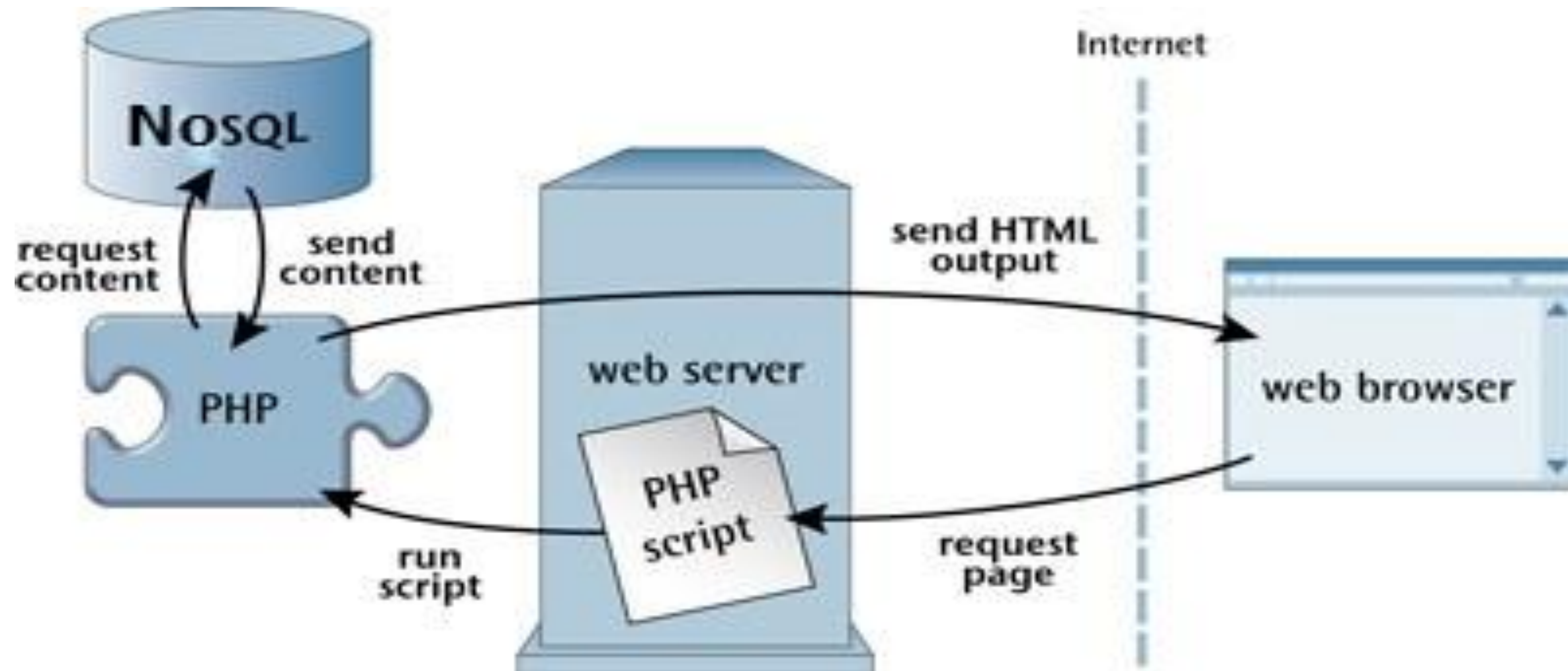
S No	Author and Paper title	Details of Publication	Summary of the Paper
1	<p>Author name : Haidi Bozиковic, Maja Stula.</p> <p>Title of Paper : Web design - Past, present and future.</p>	<p>Conference: 2018 41st International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO).</p> <p>Date of Publication: 2 July 2018</p>	<p>This paper gives us idea about development of web design from its beginning to nowadays modern design, and what we can expect in future.</p>
2	<p>Author name : Hou, Boyu, Kai Qian, Lei Li, Yong Shi, Lixin Tao, and Jigang Liu.</p> <p>Title of Paper : MongoDB NoSQL injection analysis and detection</p>	<p>Conference: In 2016 IEEE 3rd International Conference on Cyber Security and Cloud Computing (CSCloud).</p> <p>Date of Publication: 2016</p>	<p>This paper examines the maturity of security measures for MongoDB, a typical NoSQL database system, with aspects in both attack and defense at the code level.</p>

Literature Survey

S No	Author and Paper title	Details of Publication	Summary of the Paper
3	<p>Author name : Agrawal, Smita, Jai Prakash Verma, Brijesh Mahidhariya, Nimesh Patel, and Atul Patel.</p> <p>Title of Paper :Survey on Mongoddb : an open-source document database.</p>	<p>Name of Journal: International Journal of Advanced Research in Engineering and Technology.</p> <p>Volume: 6</p> <p>Date of Publication: Dec 2015</p>	<p>MongoDB database indicates that it does provide those features more efficient than other databases.</p>
4	<p>Author name : M J Taylor.</p> <p>Title of Paper : Database retrieval techniques.</p>	<p>Conference: Proceedings of the 23rd EUROMICRO Conference: New Frontiers of Information Technology.</p> <p>Date of Publication: Sept 2018</p>	<p>RDBMS have found a wide application and now the more recent object-orientated database methodologies are finding increased application. Issues relating to database technology include: storage management, particularly in multimedia</p>

Literature Survey

S No	Author and Paper title	Details of Publication	Summary of the Paper
5	<p>Author name : Yehia Elshater, Patrick Martin, Ehab Hassanein .</p> <p>Title of Paper : Using Design Patterns to Improve Web Service Performance</p>	<p>Conference : 2015 IEEE International Conference on Services Computing.</p> <p>Date of Publication: July 2015</p> <p>DOI : 10.1109/SCC.2015.106</p>	<p>This paper focus on how to efficiently build lookup web services using design patterns. Our goal is to improve the response time (latency) and throughput of lookup web services.</p>



Recommended Operating Systems

Windows: 7 ,10,11 or newer

MAC: OS X v10.7 or higher

Linux: Ubuntu.

Supported Browsers

→ Chrome Version 59.0.3071, 60.0.3112

→ Firefox Version 59.0.3, 60.7.0

GoDaddy Web Hosting

Hardware Requirements

- **Memory (RAM)**
 - Minimum 2 GB; Recommended 4 GB or above
- **Hard Drive:**
 - Minimum 32 GB; Recommended 64 GB or more
- **Processor:**
 - Intel® Core i5 4th generation (or an equivalent AMD processor)
 - Intel® Core i3 8th generation (**8109U**) or above.
- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi).

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7. Macaulay, Michael. *Introduction to web interaction design: With HTML and CSS*. Chapman and Hall/CRC, 2017. eBook ISBN 9781315692333.

8. Beaird, Jason, Alex Walker, and James George. *The principles of beautiful web design*. Sitepoint, 2020. Ebook ISBN: 9781925836370
9. Dragoni N, Giallorenzo S, Lafuente AL, Mazzara M, Montesi F, Mustafin R, Safina L. Microservices: yesterday, today, and tomorrow. Present and ulterior software engineering. 2017: pp:195-216.
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